

**ABSTRACT**

A trailer mounted mobile power generation system provides electrical power at locations where it is needed, either separate from or as a supplement to power from an electrical power distribution grid. A jet engine, a free turbine and an electrical power generator in a single common road transportable trailer. The trailer complies with weight and height limitations imposed by transportation authorities. The jet engine drives the turbine, which in turn drives the electrical power generator. Power levels on the order of 20 megawatts are generated while maintaining noise and combustion product emission levels within presently specified regulatory limits.

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